

Claims

1. A reamer assembly (11) for widening a drilled pilot hole or for widening a hole that has been widened in a first step 5 in a down-the-hole drilling operation, wherein the reamer assembly includes a shank (14) for attachment of the reamer to the end of a down-the-hole hammer drill and a conical drill bit or crown (15), characterised in that the conical bit (15) of the reamer is divided into at least 10 three segments (18) which are terminated with a transverse end surface (21) which directly connects said conical segments; and in that at least three of said segments (18) include drill buttons (16) that are disposed equidistantly from the centre axis of the drill bit.

15

2. A reamer assembly according to Claim 1, characterised in that each segment (18) includes a plurality of drill buttons (16a - 16e).

20

3. A reamer assembly according to Claim 2, characterised in that the drill buttons (16a - 16e) are placed in mutually the same pattern in each of said segments (18).

25

4. A reamer assembly according to Claim 2 or 3, characterised in that a plurality of drill buttons (16) in one and the same segment are disposed equidistantly from the centre of the drill bit (15).

30

5. A reamer assembly according to any one of the preceding Claims, characterised in that the drill buttons (16a - 16e) of one segment are disposed so as to lie close to

or to slightly overlap each other in a common plane projection. (Fig. 3).

6. A reamer assembly according to any one of the preceding
5 Claims, characterised in that drill buttons
(22) are provided in the transverse end surface (21) of the
drill bit (15).